

## Bollard Surface Mounted

- Before starting the actual process, make sure you have read the installation guide thoroughly.
- Identify the area/s where bollards need to be placed.
- If you are preparing for Multiple Bollards, make sure you mark each specific area. Check to make sure the bollards are lined and plumbed.
- Note: (Not all walls are straight)
- Prepare all the necessary equipment to install the Bollard: Measuring tools including a spirit level, string line, Hammer drill, SDS Drill, Vacuum, Epoxy adhesive, threaded rods, and/or Concrete Bolts.
- Place the bollard where it should be positioned and mark each using a hammer SDS drill. Remove the bollard to the side and continue drilling to the right depth.
- After Drilling holes, vacuum & clean up all dust, centralise the bollard over the penetrations.
- You can follow either of the 2 methods below, depending on the clients request. However the Screw Concrete Bolt is our Default method.

Method 1 - Use Concrete Icons. Put the screws through the bollard and on the leg bolts to tighten, make sure the screws are not over tightened in order to hold in position. Level and plumb.

refer to ([Boltshttps://www.iccons.com.au/products/thunderbolt-pro-hex-head](https://www.iccons.com.au/products/thunderbolt-pro-hex-head)).

Method 2 - Or, using epoxy dispenser gun, inject adhesive epoxy into the 4 penetrations, making sure liquid adhesive remains is 10mm below surface level. install the washers and nuts to the threaded rods. Tension only after curing.

